

accordance with one of the externally derived commands,

store the digitally compressed images in the high-capacity storage medium, and

vary the dimensions and the rate at which a particular image is stored in accordance with one of the externally derived commands.

Please replace current claim 6 with the following:

6. (Amended) The video storage and display system of claim 1, wherein one or both of the high-capacity storage media comprises a magnetic tape.

Please replace current claim 7 with the following:

7. (Amended) The video storage and display system of claim 1, wherein one or both of the high-capacity storage media comprises a magnetic disk.

Please replace current claim 12 with the following:

12. (Amended) The method of simultaneously displaying and storing multiple video images, comprising the steps of:

receiving video images from one or more sources;

digitizing one or more of the images if not already in digital form;

displaying at least certain of the digitized images in separate windows on a display device, using a first set of temporal and spatial parameters associated with each image in each window; and

simultaneously storing the displayed images using a second set of temporal and spatial parameters associated with each image.

Please replace current claim 15 with the following:

15. (Amended) A video storage and display system, comprising:

one or more video cameras, each outputting a signal representative of a video image;

means to receive the signals from each camera and digitally compress the images; and

a computer configured to receive the digitally compressed images, the computer being interfaced to the following devices:

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a display screen,

means to receive externally derived operator commands including means for sensing a deviation from the normal-state image scene associated with at least one of the video cameras, the existence of the deviation being used as the basis for generating an externally derived command, and

a high-capacity storage medium, and programmed to perform the following functions:

display the digitally compressed images from the cameras in different windows on the display screen, each window being associated with an update rate and dimensions in pixels,

vary the dimensions and the rate at which a particular image is updated in its window in accordance with one of the externally derived commands,

store the digitally compressed images in the high-capacity storage medium, and

vary the dimensions and the rate at which a particular image is stored in accordance with one of the externally derived commands.

~~16. (New) A video display system, comprising:~~

~~one or more video sources, each outputting a signal representative of a video image;~~

~~means to receive the signals from each source and digitally compress the images; and~~

~~a computer configured to receive the digitally compressed images, the computer being interfaced~~

~~to the following devices:~~

~~a display screen,~~

~~means to receive externally derived operator commands, and~~

~~wherein the computer is programmed to perform the following functions:~~

~~display the digitally compressed images from the video sources in different windows on the display screen, each window being associated with an update rate and dimensions in pixels, and~~

~~vary the dimensions and the rate at which a particular image is updated in its window in accordance with one of the externally derived commands.~~

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17. (New) A video storage system, comprising:

one or more video sources, each outputting a signal representative of a video image;

means to receive the signals from each source and digitally compress the images;

a high-capacity video storage medium; and

a computer interfaced to the following devices:

an input to receive externally derived operator commands, and

the high-capacity storage media, and

wherein the computer is programmed to perform the following functions:

store the digitally compressed images in the high-capacity storage medium, and

vary the dimensions and the rate at which a particular image is stored in accordance with one of the externally derived commands.

18. (New) The video storage system of claim 17, further including two forms of high-capacity storage media, one being randomly searchable, and with the other being serially searchable.

19. (New) A method of displaying video images, comprising the steps of:

receiving video images from one or more of sources;

digitizing one or more of the images if not already in digital form;

displaying at least certain of the digitized images in separate windows on a display device, using a first, predetermined frame rate and a resolution associated with each window.

20. (New) A method of storing video images, comprising the steps of:

receiving video images from one or more of sources;

storing the images using a first predetermined frame rate and resolution; and

simultaneously storing the images using a second predetermined frame rate and resolution.

21. (New) The method of claim 20, including:

video images having a display format; and

wherein the same format is used for storing and for displaying the video image.

22. (New) The method of claim 20, wherein the video images are received and stored using multiple display formats.

23. (New) The method of claim 20, wherein the images of the first predetermined frame rate and resolution are stored on separate media.

24. (New) The method of claim 20, wherein two or more different media are used to store the images.

25. (New) The system for simultaneously displaying and storing multiple video images, comprising:

an input for receiving video images from one or more of sources;
digitization circuitry for digitizing one or more of the images if not already in digital form;
a display device operative to display at least certain of the digitized images in separate windows using a first, predetermined frame rate and resolution associated with each window; and
a memory for simultaneously storing the displayed images using a second, predetermined frame rate and resolution associated with each image.

26. (New) The system of claim 25, further including an input for receiving a command to set the frame rate and resolution associated with the display and storage of a particular image.

27. (New) The system of claim 26, wherein the input is an operator input.

28. (New) The system of claim 26, wherein the input is derived through an external stimulus.

29. (New) A system for simultaneously displaying and storing multiple video images, comprising:

an input for receiving video images from one or more of sources;

digitization circuitry for digitizing one or more of the images if not already in digital form;
a display device operative to display at least certain of the digitized images in separate windows
using a first set of temporal and spatial parameters associated with each image in each window; and
a memory for simultaneously storing the displayed images using a second set of temporal and
spatial parameters associated with each image.

30. (New) The system of claim 29, wherein the temporal parameters include frame rate.

31. (New) The system of claim 29, wherein the spatial parameters include image dimension in
pixels.

32. (New) The video storage and display system of claim 15, further including a device for
remotely controlling the operation of one or more of the video cameras.

33. (New) The video storage and display system of claim 1, wherein one or more video images
or camera control signals are received through a network connection.

34. (New) The method of claim 8, wherein one or more video images or camera control signals
are received through a network connection.

35. (New) The method of claim 12, wherein one or more video images or camera control signals
are received through a network connection.

36. (New) The video storage and display system of claim 15, wherein one or more video images
or camera control signals are received through a network connection.

37. (New) The video storage and display system of claim 16, wherein one or more video images
or camera control signals are received through a network connection.

38. (New) The video storage and display system of claim 17, wherein one or more video images or camera control signals are received through a network connection.

39. (New) The method of claim 19, wherein one or more video images or camera control signals are received through a network connection.

40. (New) The method of claim 20, wherein one or more video images or camera control signals are received through a network connection.

41. (New) The system of claim 25, wherein one or more video images or camera control signals are received through a network connection.

42. (New) The system of claim 29, wherein one or more video images or camera control signals are received through a network connection.

43. (New) The video storage and display system of claim 1, wherein one or more both of the high-capacity storage media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

44. (New) The method of claim 8, wherein the high-capacity storage media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

45. (New) The method of claim 12, wherein the high-capacity storage media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

46. (New) The video storage and display system of claim 15, wherein the high-capacity storage media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

47. (New) The video storage and display system of claim 16, wherein the high-capacity storage

media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

48. (New) The video storage and display system of claim 17, wherein the high-capacity storage media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

49. (New) The method of claim 19, wherein the high-capacity storage media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

50. (New) The method of claim 20, wherein the high-capacity storage media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

51. (New) The system of claim 25, wherein the high-capacity storage media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

52. (New) The system of claim 29, wherein the high-capacity storage media includes a removable or permanent magnetic, magneto-optical, optical or semiconductor device.

53. (New) The video storage and display system of claim 15, further including a memory for storing the sensed deviation information in conjunction with the image data.

54. (New) The video storage and display system of claim 5, wherein the separate computers are configured to display a subset of camera images which possess a particular common characteristic.

55. (New) The video storage and display system of claim 1, wherein one or both of the high-capacity storage media comprises a recordable optical disc.

56. (New) The video storage and display system of claim 1, wherein one or both of the high-capacity storage media comprises a recordable magneto-optical disc.

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